

ABSTRACT

A communication system having a proxy architecture is disclosed. The system includes a platform that provides performance enhancing functions. The platform includes a spoofing apparatus that routes the information within the communication system. The spoofing apparatus receives spoofing selection and spoofing parameters from the platform and maintains the current parameters in one or more spoofing profiles. The spoofing apparatus routes packets of information throughout the communication system based on the spoofing selection and/or spoofing profile. The spoofing apparatus may also compensate for maximum segment size mismatches during the routing of information. This compensation may include dynamically resizing data segments or disabling three-way handshake spoofing. The above arrangement has particular applicability to a bandwidth constrained communication system, such as a satellite network.